

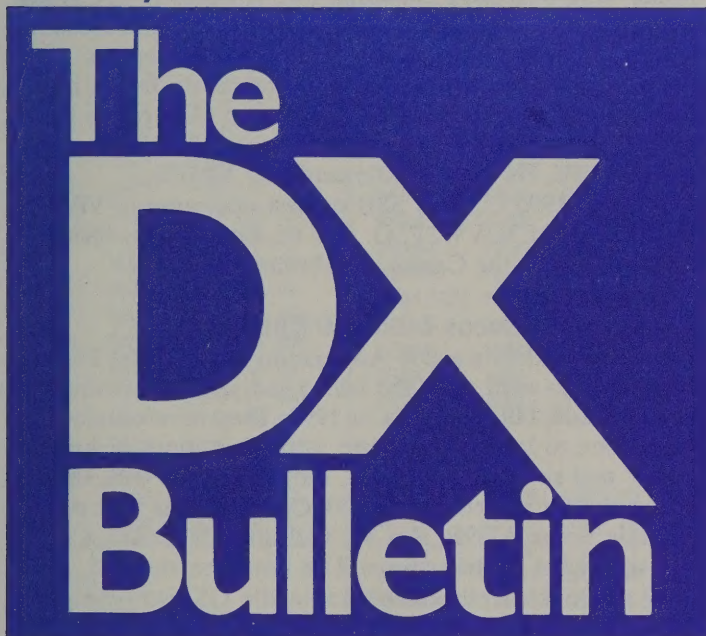
Anguilla - VP2E VP2EJA, VP2E/JA1VPO, and

VP2E/JG1RXQ are active until March 4, on 80-10 meters, including the new bands, on CW, SSB, and RTTY. QSL via JA1VPO. They have a sked on 7065 kHz at 1030Z with JA1UQP. If they can get a license in St. Martin PJ7, they'll conclude their operation there instead of Anguilla. Same information.

Reserve Your Island - ARRL SSB DX Test

- **FO0HAR** is Dave WD5N in French Polynesia on a Pacific sailing trip. Next stop is the South Cook Islands ZK1. QSL via WD5N. (DXNS.)
- **BV/OH2BH** (or maybe **BV2BH**) is Martti Laine's Taiwan callsign in the contest; QSL to KA6V.
- **VA2TA** is Louis Paquet VE2BQB, Route 132, Box 73, Sainte Florence, Quebec G0J 2M0, Canada, in CQ Zone 2. QSL direct or via the bureau.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

Shortly Noted

- **V2/YU1NR** Ratko is active until March 11, on all bands 160-6 meters, and all modes. He'll operate from St. Lucia J6 after his Antigua operation. QSL both to YU1NR.
- **VU7LI** on the Laccadives has been noted in some SSB nets; QSL via VU2STG.
- **TU2KC** is Gerald F5LBL, until March 15. (LNDX.)
- **FO/F6BHK** or maybe (**FO/FM5GC**) will be active from French Polynesia Mar. 7-25, CW only on 40-10 meters. He'll be on both Moorea (OC-046) and Raiatea (OC-067). QSL via the French bureau only. (LNDX.)
- **TY1IJ** is DF4IJ, until early March.
- **XF4C** was the callsign of the Clarion Island DXpedition, not XF0C as previously announced; QSL to XE1BEF.

Shortly Noted

- **T5YOU** is WA6YOU Mar. 24-Apr. 4. Try 15-meter SSB 18-2000Z. QSL home call. (JDN.)
- **G3PJT/VP9** will be active Mar. 8-18. He'll concentrate on the Commonwealth contest, and 40- and 80-meter CW outside the test. QSL home call. (DXNS.)
- **FT5YF** Robert will be active from Petrel Island (AN-017) beginning this month; QSL to F3CJ. (DXNS.)
- **ZK2:** WI0S and KD0KI will be active from Niue until Mar. 12. Try 21300 and 14242 kHz from 2330Z. Mar. 13-20 they'll operate from Western Samoa 5W. (DXNS.)
- **KG4CI** was Nellie XE1CI from Guantanamo Bay; QSL home call. **KG4WP** was Dave WQ5Y; QSL home call.
- **Russia** has reserved some new callsign blocks for its remote islands: **R1MVA-R1MVZ** for Malyj Vysotskij Island; **R1FJA-R1FJZ** from Franz Josef Land; and **R1ANA-R1ANZ** for Antarctica. These replace the 4J/4K calls which are no longer available in Russia. However, it may be some time before Russian stations begin using the new callsigns. (ARRL Letter.)
- **DXCC Processing:** ARRL reported that the turn-around time for those whose DXCC records have been computerized is about two weeks. (Those whose records require transfer from paper to computer will take longer.) The DXCC desk received 909 applications with 66,054 cards in January. The backlog at the end of January was 449 applications with 40,710 QSL cards.
- **ZS5LB** is on 160 meters most mornings at his sunrise (near 0400Z). He needs NM and ID to complete his 160-meter WAS. JA3ONB seeks RI and VT to complete his 160-meter WAS, at sunrise in New England.
- **SSB Net check-ins:** 14227 kHz: (11, 20Z) HS0ZAU J69DF XU8DX VP8CKN Z21JE ZK1AT 9M8DB 5X1B CU2DX FY5GA S21A 9G1SD VR6DB 9M2HB A35SQ; 14247: (23Z) CP5NU D2EGH EL2PP VU7LI; 21355: (18Z) A22CT HH2Z 7Q7KB ZS2JL TL8NG AH8A A22JR H5AKP.
- **RTTY:** Spots: S92ZM 14088 0115Z; 5Z4FO 21073 FEC 1110Z; ZD7DP 21083 1520Z; 5R8DG 14085 1535Z; 9N1AA 21086 0845Z; FR5ZU 21086 1045Z; TZ6FIC 21083 1050Z; XU7VK 14084 1420Z; 5R8DS 21086 1455Z; TY1PS 14064 2230Z.
- **Islands On The Air:** **Alhucemas** Island (AF-060) will be activated for the first time March 31-April 3, under the callsign of **EG9A**. Operators are EA7KW, EA7CEZ, EA7PN, EA7JB, and EA9LZ. They will be on all bands 160-10 meters, including the new bands. Try the IOTA frequencies of 14260, 21260, and 28460 kHz. They will pay particular attention to 40 and 80 meters and stateside openings. No QSL route mentioned. Jon Severt **WB8YJF** will be active from Key West (NA-062) Mar. 5-11, on CW and RTTY only. QSL Jon at 5586 Babbitt Road, New Albany OH 43054.

Propagation

Forecast and Historical Data

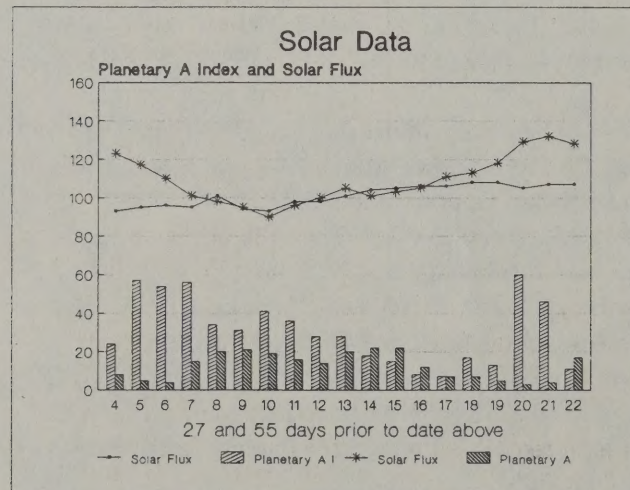
Day	Forecast	27 Days Before				55 Days Before			
March 1994		Date	Flux	A	K	Date	Flux	A	K
4	Low Normal	2/5	93	20/24	3	1/8	123	04/08	0
5	Disturbed	2/6	95	46/57	5	1/9	117	00/05	0
6	Disturbed	2/7	96	49/54	5	1/10	110	00/04	0
7	Disturbed	2/8	95	50/56	4	1/11	101	16/15	3
8	Below Normal	2/9	101	34/34	5	1/12	98	18/20	3
9	Below Normal	2/10	94	29/31	3	1/13	95	22/21	3
10	Disturbed	2/11	93	36/41	3	1/14	90	14/19	2
11	Below Normal	2/12	98	29/36	3	1/15	96	17/16	4
12	Below Normal	2/13	98	24/28	5	1/16	100	13/14	3
13	Below Normal	2/14	101	23/28	3	1/17	105	17/20	2
14	Low Normal	2/15	104	19/18	3	1/18	010	21/22	2
15	Low Normal	2/16	105	14/15	2	1/19	103	23/22	3
16	High Normal	2/17	106	08/08	1	1/20	105	10/12	2
17	High Normal	2/18	106	05/07	1	1/21	111	05/07	2
18	Low Normal	2/19	108	16/17	3	1/22	113	05/07	2
19	High Normal	2/20	108	14/13	2	1/23	118	03/05	0
20	Disturbed	2/21	105	42/60	4	1/24	129	02/03	1

Propagation Watch

The bands finally recovered from the very poor conditions in late February. However, the forecast is for more Disturbed conditions. Solar flux levels will hover in the 90-100 range, limiting band openings on 10 and 12 meters to north-south paths. 15 and 17 meters should be good at times during daylight hours. At night, try 30 and 40 meters, and maybe 80 if the K index stays low for a few days. Unfortunately, that appears to be unlikely.

The forecast for the ARRL SSB contest is for low solar flux and high geomagnetic activity: the worst possible conditions. Be prepared for low signal-to-noise ratios, poor long-path and polar-path openings, and low Maximum Useable Frequencies (MUFs). Contesters will probably have to dig deeper into the noise than usual to work DX, especially long-haul contacts.

Conditions should then improve to mid-month, before deteriorating again the last ten days of March. Seasonal improvements may provide some relief, as we approach the vernal equinox on March 21. The longer days (in the northern hemisphere) should improve conditions on 20 meters and higher bands. Also, low-band openings tend to be good near the equinoxes, when the geomagnetic field is quiet. Good hunting!



QSL Information

■ A22MN QSLing is delayed due to computer changes at manager Ken Shepter WA8JOC. Ken promises that all A22MN cards will be handled as soon as possible, but asks for patience on the part of DXers. He awaits QSLs for the OH7XM/A22MN 40-meter contest operation. Please don't send duplicate cards.

■ QSL GJ4GG at Ivy-Stone House, Rue de la Croix, St. Clement, Jersey JE2 6LQ, Channel Islands, Great Britain. (Don't put 'England' in the address.) His 1994 *Callbook* address is incorrect.

■ FW/Y58IO cards are coming out from Fritz Bergner DL7VRO, Sterndamm #199, 12487 Berlin, Germany.

■ 9U5DX cards from Baldur DJ6SI are coming out of the Czech Republic, taking advantage of the extremely low airmail postage in that country. This means that putting German airmail postage on the return envelope won't work.

■ QSL UX2HO via Tony Petroncari I2PJA, Via E. Togni 87, 27043 Broni, Italy, or via the Italian bureau.

■ QSL EZ5A EZ5AA EZ5DX EZ5EZ EZ5EA via Tony Miller W5BWA, 5812 Hiawatha Dr., Alexandria LA 71301. These are the new callsigns of Victor ex-UH8EA.

■ BY9GA is not confirmed via AA5NK. Mike reports getting cards from Europeans for contacts on Jan. 1, and Mar. 15 and 22, on CW. He thinks these were pirate QSOs.

■ Likewise KA3BDN is not QSL manager for the contest call of VP2E. He does handle cards for VP2EE.

■ QSL the 1993 CQWW SSB contest operation of VP5N via Jack Imhof N2VW, P. O. Box 65, Fort Dix NJ 08640. Jack was not in the Caicos in February.

Cocos Island DXpedition

The Oklahoma DX Association and the Cal Poly students who went to Wake Island last year are aiming for a Cocos Island TI9 operation in 1994. They have obtained permission to land and operate, with six stations including RTTY and satellites. However, they need help with the cost of the charter vessel: US\$38,000. Contributions may be sent to Craig Boyer AH9B, Box 88, Wellston OK 74881. Clubs and significant contributors will be noted on the QSL card. They will make arrangements to handle QSLing promptly.

International Marconi Day

The Cornish Radio Amateur Club will sponsor some 30 stations on April 23, in celebration of Marconi's birthday. They offer a certificate for working at least 12 of the participating stations, who are scheduled to include: CT1TGM DA0IMD EI2IMD EI4IMD GB0IMD GB1IMD GB2GM GB2IMD GB2MDI GB2MID GB2SFL GB4IMD GB4MD GB4MDI IY0GA IY0ORP IY0TCI IY1TTM IY4FGM K1VV/IMD KK6H/IMD VE1IMD VK2IMD VO1IMD ZS6IMD and other stations in Italy, Brazil, and Austria. The award is US\$10, £3.50, or 12 IRCs from CARC, IMD Awards Manager, P. O. Box 100, Truro, Cornwall TR1 1RX, England. Additional contacts with the same station on another mode or band do not count toward the 12 required contacts.

B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16

RTTY

6W6JX	14085	0103	17	CA
6W6JX	14084	2150	20	CA
CX7BF	14085	0045	24	CA
FG5FI	14092	2125	19	OH
P43AV	14086	2335	25	CA
PJ9JT	14088	0115	25	CA
S92ZM	14086	2140	21	FL
TZ6FIC	14090	2230	19	OH
VP8WA	21084	1740	20	OH
ZS6EZ	14091	2105	19	CA

160 Meters

PJ9JT	1827	0343	19	IL
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80 Meters

4K1F	3511	0700	22	IA
8P9DX	3508	0402	24	CA
EA9EU	3507	0003	21	FL
HR1LW	3506	1210	21	OH
J52AG	3501	0320	25	FL
JA9BOH	3505	1030	18	NH
JH0BBE	3505	1100	17	NH
JH1AEP	3505	1200	26	FL
PJ9JT	3528	1025	19	NH
T32AB	3503	0830	22	IA
UN5J *	3508	1205	15	MA
UW1ZE	3502	0900	15	NH
V31DV	3507	0358	18	ID
V31RA	3511	0616	17	CA
V31SA	3510	0452	17	IL
VO1BD	3505	2230	16	NH
VQ9QM	3512	1120	17	NH
VS6WO	3505	1510	19	CA
ZS9Z	3507	0408	26	FL

75 Meters

7X2LS	3796	0107	16	MN
9L1CF	3797	0543	23	AZ
AH8AE	3783	0637	22	MN
CT3FT	3790	0745	23	CA
CT3GU	3798	0140	20	MN
G3AQC	3795	0110	21	MN
IK1MNJ	3794	0614	23	CA
IT9PZM	3790	0159	21	MN
LU5FCI	3800	0522	22	CA
PA3EPN	3797	0705	20	MN
PT7WA	3793	0151	20	MN
VK6LK *	3798	2154	18	MA
YN1CB	3800	0627	25	CA
YS1AG	3786	0115	16	MN
YV5AAX	3790	1045	19	CA

40 Meters

4K1F	7016	0540	18	CA
4X/S53R	7005	1505	16	CA
6W1AE	7024	0615	17	IA
9J2BO	7007	0500	16	IA
9K2MU	7007	0125	23	FL
9K2ZZ	7004	0015	18	IA

BV7FC	7004	1115	21	IA
CN8BK	7007	0221	18	GA
CO4AL	7000	0023	26	FL
CU2DX	7061	0625	15	MN
EA9CQ	7002	0200	16	ID
EW1AAA	7001	0700	21	IA
FK8GS	7007	1520	18	CA
FR5DN *	7012	1455	18	CA
H70O	7001	0411	26	FL
HC2SL	7008	0535	18	CA
HC5AI	7011	0004	23	FL
HJ0VGJ	7007	0420	22	IA
HT1T	7004	0149	24	FL
HZ1AB	7007	1414	19	OR
J28DE *	7003	0305	13	CA
J52AG	7002	0123	23	FL
KC6SF	7001	1349	16	ID
KG4DX	7004	1144	26	FL
PJ2JB	7011	0909	14	MI
PZ1DY	7010	0413	26	FL
SU2MT	7000	1552	19	OR
TA3D	7007	0330	17	IA
TI6LL	7067	0802	16	IL
TU2MA	7003	0625	16	CA
UK2APK	7013	1244	19	IL
V44KA0	7001	2222	24	FL
VK7KO	7153	1125	17	CA
VQ9SS	7006	1452	19	OR
YS4RG	7009	0151	24	FL
YV6AZC/3	7015	1009	15	CA
Z21HS	7003	0425	18	IA
ZD8M	7006	0737	16	CA
ZS0X	7007	0412	25	AZ
ZS9Z	7007	0100	25	FL

30 Meters

3B9FR	10106	1322	22	VA
4K1F	10121	0023	22	FL
7P8SR	10105	2100	17	NS
EA6ZY	10103	2206	24	FL
FK8GJ	10104	1324	22	VA
HP1XXD	10104	1256	14	GA
IS0OMH	10102	2228	24	FL
J52AG	10104	2045	26	FL
PJ2JW	10117	0232	18	GA
PZ1AP	10117	0232	18	GA
VY1JA	10101	0213	23	UT
ZB2FK	10105	2346	16	GA
ZD8M	10101	2216	18	SC
ZS0X	10105	0420	26	FL
ZS4NR	10108	0258	25	FL
ZS9Z	10101	2225	26	FL

20 Meter CW

4K2MAL	14013	1955	18	IA
4L1AB	14026	1545	18	ID
4X4WN *	14008	1555	18	WA
9A/K4XU	14028	1634	22	CA
9A3HK *	14004	1546	17	WA
A35SQ	14017	0433	20	SC
C53HG	14032	2322	18	GA
EA1WN	14029	1729	18	ID
EA8AB	14028	1758	20	SC

ES1WN *	14030	1620	18	WA
FO0PT	14015	0316	16	ID
HC2IK	14016	1710	21	ID
HH2JFO	14021	2202	16	MI
HH2MED	14027	1311	15	GA
HH2MED	14006	2204	21	UT
LA6LDA *	14007	1608	18	WA
OY1CT	14027	0200	19	CA
PJ9JT	14025	1825	15	NS
PY0B	14025	2250	24	FL
RC2SA	14002	1436	17	MI
TF3DX	14024	0115	18	IA
TF3DX	14024	1400	14	MI
TU2XZ	14009	0055	18	IA
UZ6LWZ *	14020	1558	17	WA
VK4TT *	14008	2044	20	SC
VP8PTG	14012	2314	24	FL
VU2YK	14011	1320	15	MI
ZD8M	14023	2332	13	MI

20 Meter SSB

4K1F	14222	0148	17	CA
5T5SV	14198	2342	22	CA
9K2ZZ	14184	1301	13	VA
9X5HG	14166	2200	18	WI
AP2AL *	14201	1200	17	NS
D44AB	14170	1958	17	NS
HP1XXN	14271	0041	17	GA
KG4CB	14226	0015	22	CA
KH3AF	14247	0240	23	CA
TU4EI	14170	2250	19	SC
V29NR	14212	1344	19	MD
V51GB	14156	1905	17	IA
VP8CKN	14220	0210	18	IA
VU2PSJ	14199	1218	13	MD
ZK1AT	14226	0248	15	CO
ZS8MI *	14195	1613	19	CA

17 Meter CW

3V8AS	18069	1522	17	NS
EA6ZY	18073	1302	21	GA
HP1XBH	18070	1257	21	GA
KH6GI	18080	2240	25	FL
T97N	18070	1300	21	GA
UX0KM	18073	1645	19	IL
VP2MH	18079	2301	16	GA
YS1DRF	18073	1344	12	NH
ZB2FK	18075	1912	16	NS

17 Meter SSB

A45ZZ	18160	1357	16	NS
EA8ZO	18125	1950	16	MD
PJ8AD	18130	1920	16	MD
YI1AL	18150	1305	18	NS
Z21GB	18143	1258	17	NS

15 Meter CW

4K4POL/A	21024	2345	18	GA
4U1VIC	21034	1326	26	FL
7P8EZ	21003	1912	19	CO
7P8SR	21019	1320	21	GA
7Q7RM	21020	2000	17	NC

9M6HF	21009	0012	18	CA
A35MR	21014	0030	17	ID
AH8AE	21026	2239	24	FL
AH8F	21037	0151	19	GA
EA8BYA	21027	1337	21	GA
EA8ZS	21030	1800	19	CA
ES6PZ	21026	1339	26	FL
FK8GJ	21020	0125	17	CO
HH2JFO	21025	2254	16	GA
HJ0VGJ	21026	2253	16	GA
PY0B	21023	1207	26	FL
PZ1DV	21035	1920	13	GA
PZ1DY	21027	1859	14	NS
VK9NL	21015	2006	15	WI
XQ0YAF	21010	1510	16	IA
ZS6AJS	21007	1921	19	CO

15 Meter SSB

4U1WB	21235	1723	16	MD
5H3DD	21246	1650	19	MD
5N8NDP	21240	1624	17	WI
5T5SV	21270	1325	16	MA
A22EX	21281	1633	20	NJ
AP2JZB	21294	1306	17	NS
SV9ANK	21295	1437	17	NS
TU5DX	21280	1410	21	IA
V29NR	21257	1718	19	NS
V51E	21318	1900	16	NS
V73C	21281	2315	16	IA
YI1MH	21216	1316	17	NS
YS1ECB	21159	1744	19	SC
ZS1NL	21258	1425	18	CO

12 Meter CW

FY5FJ	24920	1903	21	MI
LU9DBK	24945	1751	13	CA
YS1DRF	24902	2226	18	SC
YV6AZC/3	24895	1439	12	NH

12 Meter SSB

5N0HBK	24945	1513	18	NS
9G1SD	24945	1650	13	CA
EA8ZO	24947	1846	14	NC
HK0OEP	24943	1656	22	SC
OA8ACT	24950	1847	18	SC
P40MR	24955	1703	22	SC

10 Meter CW

A35SQ	28031	2050	19	AZ
UU5JYL	28017	1330	26	FL
VK4XA	28025	2201	17	CA

10 Meter SSB

A35SQ	28484	2106	16	MI
CX7BF	28440	2242	12	VA
D2SA	28495	1512	15	NS
FK8CP	28460	2335	15	IA
PZ1EL	28495	1730	16	IA
V73C	28475	2100	16	IA
VK9ND	28480	2330	15	IA
VP2EE	28384	2320	13	CA
VR6ME	28471	1940	16	IA

Current and Future DXpeditions

(Changes and hot info in boldface.)

DXCC Country	Prefix Callsign	Dates	Issue
American Samoa	KH8 AH8F	Feb. 16-Mar. 16	I725
	KH8/W9GW	Mar. 9-16	I726
Anguilla	VP2E/	Mar. 5-10	I723
	VP2EJA+	to Mar. 4	I728
Antarctica	FT5YF	soon	I728
Antigua	V2/YU1NR	to Mar. 11	I727
Aruba	P4 P40MR/TR	Feb. 21-Mar. 12	I725
Banaba Island	T33 T33CS/KK	Mar. 27-Apr. 5	I724
Belau	KC6KT/UA	Mar. 13-16	I727
Belize	V3 V31BW/PP	Feb. 19-Mar. 12	I725
	V31DX	ARRL SSB	I726
Benin	TY TY8OBO	Mar. 1-14	I724
	TY1IJ	now	I728
Bermuda	VP9/G3PJT	Mar. 8-18	I728
British Virgins	VP2V/W2GUP	Jan. 23-Mar. 17	I720
Cambodia	XU XU7UK	to Feb. 1995	I724
	XU0HW/XU9HA	May 5-19	I726
Cayman Islands	ZF ZF2ND,ZF2CF	ARRL SSB	I726
Croatia	9A/ K4XU 40M	15-17Z Tues.	I724
Fernando de Noronha	PY0FM	Mar. 2-30	I727
Fiji	3D 3D2QB	Feb. 20+	I726
French Polynesia	FO/F6BMK	Mar. 7-25	I728
Guam	KH2/JK6UER+	Mar. 18-20	I727
Ivory Coast	TU TU2KC	to Mar. 15	I728
Jamaica	6Y5/ K6JAH	Feb. 20-Mar. 5	I723
Juan Fernandez	CE0 CE0ZIS	14227 02Z	I724
Kerguelen	FT FT5XJ	to July	I722
Laccadives	VU7LI	now active	I728
Liberia	EL TBA	Mar. 11-17	I727
Marianas Islands	KH0/JA1CMD	Mar. 27-Apr. 1	I723
Mauritius Island	3B8/F5PXQ	Feb. 28-Mar. 6	I726
Micronesia	V6 TBA	Mar. 16-18	I727
Nauru	C21/WK3D	Mar. 9-14	I721
Nicaragua	YN YN1EUG	to April	I727
Niger	5U 5U7Y	now active	I726
Niue	ZK2 WI0S,KD0KI	to Mar. 12	I728
Pitcairn Island	VR6 VR6ID 21290 1600Z	Mon.	I716
Pratas Island	BV BV9P	March	I716/7
Reunion Island	FR/F5PXQ	Mar. 5-18	I726
	FR/G0IXC	to Mar. 17	I727
Rodriguez Island	3B 3B9FR	new bands	I711
St. Lucia	J6/ DL9XAT/DL5XAT	Mar. 5-18	I726
Saudi Arabia	HZ HZ1AB	1832± 02Z Fri.	I721
Sierra Leone	9L2SH+	to Mar. 10	I727
Somalia	T5 T5YOU	Mar. 24-Apr. 4	I728
South Cook Islands	ZK1s	Mar. 4-17	I722
SMOM	1A0KM	late Feb.	I724
Svalbard	JW JW5EBA	Jan.-Jun.	I719
Tonga	A3 A35SQ	Feb. 15-Mar. 15	I725
Turks & Caicos	VP5/W2HKM	Mar. 19-27	I727
Western Kiribati	T30 T30JJ	Mar. 2-8	I721
Western Samoa	5W WI0S,KD0IK	Mar. 13-20	I728
Zambia	9J2BO	24900 1530Z	I720
	9I2A/M/Z	Mar. 14-Apr. 6	I724/6
Zone 2	VO2BC	Feb. 23-27	I725

Operating Events and DX Gatherings

Dates	Event	Reference:
March 5-6	ARRL DX SSB Contest	QST
March 19-20	BARTG RTTY Contest	Digital Journal
March 26-27	CQWW WPX SSB Contest	CQ
April 15-17	Visalia International DX Convention	I716
April 29-May 1	Dayton Hamvention	

Contributors

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QSLs Received

- Manager: 9Y4VU (W3EVW, 2 WKS); E31A (JH1AJT, 6 MOS); FK/DJ5CQ (DJ5CQ, 6 MOS); FO514IW (FO51W, 3 YRS); GJ0SLY (WA3CGE, 3 MOS); J68AS (N9AG, 3 MOS); OA4CWR (K3JXO, 3 MOS); PJ9JT (W1AX, 2 WKS); PJ9X (OH6QU, 8 MOS); T32AX (N6HUZ, 3 MOS); TL8NG (WA1ECA, 3 WKS); V85KX (G3JKX, 3 WKS); WH8/WK6V (WK6V, 3 MOS); ZK1AEB (J11NJC, 3 MOS).
- Direct: 9A3KR (1 MO); LY2OU (7 WKS); OM3TRE (1 MO); SV9ANH (6 WKS); V73JT (3 MOS); VR6BX (3 MOS); VR6TA (3 MOS); 3DA0CA (2 WKS); A35CT (3 WKS); CN8NP (7 WKS); EI6S (2 WKS); LU8DZJ (3 MOS); LX1KC (3 WKS); LY2ZZ (7 WKS); SV1AOZ (3 WKS); T77C (1 MO); VK9LO (4 MOS); VR6BX (6 WKS); ZD7AY (3 MOS); WH8/WK6V (3 MOS).